

and dispensing device 30 are completely filled with pure resin material and no catalyst material.

If the system has been shut down and is to be restarted, it is necessary to purge delivery line 25, mixer 28 and dispenser 30 of the pure resin material previously loaded into these components, and to fill all of these components with mixed two-component resin and catalyst material according to the proper ratio. This is accomplished by setting valve 24 to permit catalyst material to enter mixing manifold 26, and simultaneously actuating pump 16 to provide resin material to mixing manifold 26. As the resin and catalyst material enters feed line 25 it forces ahead of it the pure resin material previously stored therein, and this material is passed into manifold 40 by application of applicator 30. During this time period, pump 34 is permitted to continue delivering resin material around the recirculation loop including manifold 40. This operation proceeds for a predetermined time, or until the mixed resin and catalyst material is seen to exit applicator 30 into fitting 32, whereby applicator 30 is removed from contact with fitting 32 and is ready for use. The recirculation material through manifold 40 is continued briefly, in order that any mixed resin/catalyst material which may have been injected into manifold 40 is thoroughly diluted and returned to tank 12.

All of the resin and diluted resin/catalyst which is recirculated via manifold 40 and return line 37 passes through a port 42 in compression plate 18. The end of line 37 is physically positioned close to pump intake port 44. Therefore, any material which is recirculated through manifold 40 is ultimately pumped back into tank 12, but physically placed in a position so as to be repumped by pump 16 as soon as the system resumes its operation. Dilute mixtures of resin and catalyst accumulate in the vicinity of intake port 44, and these mixtures are the first quantities of material to be moved out of tank 12 when normal operation resumes. It should be noted that when normal operation resumes, i.e., applicator dispenser 30 is applying the properly mixed components, pump 34 is shut off and no fluid is recirculated through the manifold 40.

The present invention may be embodied in other specific forms without departing from the spirit or es-

sential attributes thereof, and it is therefore desired that the present embodiment be considered in all respects as illustrative and not restrictive, reference being made to the appended claims rather than to the foregoing description to indicate the scope of the invention.

What is claimed is:

1. A method of purging two mixed liquid components from a dispensing device and feed line, comprising the steps of
 - (a) shutting off one of said liquid components while permitting said other liquid component to flow into said feed line; and
 - (b) developing a separate, recirculating flow loop of said other liquid component, and
 - (c) injecting the residual mixed liquid output stream from said dispensing device into said recirculating flow loop until said one of said liquid components is purged from said feed line and dispensing device.
2. A method of purging a resin and catalyst delivery and application system having a resin source and a catalyst source and means for separately pumping from each of said sources through respective conduits to a common mixing point and from there to a dispensing device, comprising the steps of:
 - (a) stopping the pumping of said catalyst to said mixing point;
 - (b) continuing the pumping of said resin to said mixing point;
 - (c) further pumping said resin from said resin source through a third conduit which recirculates said resin back to said resin source; and
 - (d) actuating the dispensing device so as to discharge into said third conduit, wherein the steps of continuing the pumping of said resin, further pumping said resin and actuating said dispensing device are continued until the material discharged by said dispensing device is substantially entirely resin material.
3. The method of claim 1, further comprising the step of discharging the output of said third conduit into said resin source near the point of pumping said resin from said resin source.

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